What is Claimed:

1. A method for propagating data over a network, comprising:

determining a sequential first set of network addresses;

mapping the range of addresses to a second set of addresses wherein the second set of addresses is a one to one mapping of the address from the first set and wherein the addresses in the second set are not in increasing address order;

traversing the second set of addresses to find another element of the network;

transferring the data to the another element of the network and with an indication of at least a portion of the addresses remaining in the second set.

2. The method as recited in claim 1 wherein the mapping is a function based on a primitive element.

3. The method as recited in claim 1 traversing the second set of addresses to find a second element of the computer network and transferring the data to the second element of the computer network and an indication of at least a second portion of the addresses remaining in the second set that have not been traversed.

4. The method as recited in claim 1 wherein the indication of the at least a portion of the addresses remaining comprises a function used to perform that mapping.

5. The method as recited in claim 1 wherein the network comprises Internet Protocol addresses.

6. The method as recited in claim 5 wherein the network is coupled to the Internet.

7. The method as recited in claim 5 wherein the network comprises a subnet.

8. The method as recited in claim 1 wherein the element of the computer network comprises a computing device.

9. A system for propagating data over a network, comprising:

A processor;

A memory device in communication with the processor and storing a sequential first set of network addresses;

A set of computer readable instruction stored on a memory device that is in communication with the processor for carrying out a mapping of the range of addresses to a second

set of addresses wherein the second set of addresses is a one to one mapping of the address from the first set and wherein the addresses in the second set are not in increasing address order;

A set of computer readable instructions stored on a memory device in communication with the processor for carrying out a traversing of the second set of addresses to find another element of the network;

A set of computer readable instructions stored on a memory device in communication with the processor for carrying out a retransferring of the data to the another element of the network and with an indication of at least a portion of the addresses remaining in the second set.

10. The system as recited in claim 9 wherein the mapping is a function based on a primitive element.

11. The system as recited in claim 9 comprising a set of computer readable instructions in communication with a memory device for carrying out a traversing of the second set of addresses to find a second element of the computer network and transferring the data to the second element of the computer network and an indication of at least a second portion of the addresses remaining in the second set that have not been traversed.

12. The system as recited in claim 9 wherein the indication of the at least a portion of the addresses remaining comprises a function used to perform that mapping.

13. The system as recited in claim 9 wherein the network comprises Internet Protocol addresses.

14. The system as recited in claim 13 wherein the network is coupled to the Internet.

15. The system as recited in claim 13 wherein the network comprises a subnet.

16. The system as recited in claim 9 wherein the element of the computer network comprises a computing device.

17. A computer readable medium bearing computer readable instructions for propagating data over a network, comprising:

instructions for determining a sequential first set of network addresses;

instructions for mapping the range of addresses to a second set of addresses wherein the second set of addresses is a one to one mapping of the address from the first set and wherein the addresses in the second set are not in increasing address order;

instructions for traversing the second set of addresses to find another element of the network;

instructions for transferring the data to the another element of the network and with an indication of at least a portion of the addresses remaining in the second set.

18. The computer-readable medium as recited in claim 17 wherein the mapping is a function based on a primitive element.

19. The computer-readable medium as recited in claim 17 comprising instructions for traversing the second set of addresses to find a second element of the computer network and transferring the data to the second element of the computer network and an indication of at least a second portion of the addresses remaining in the second set that have not been traversed.

20. The computer-readable medium as recited in claim 17 wherein the indication of the at least a portion of the addresses remaining comprises a function used to perform that mapping.

21. The computer-readable medium as recited in claim 17 wherein the network comprises Internet Protocol addresses.

22. The computer-readable medium as recited in claim 21 wherein the network is coupled to the Internet.

23. The computer-readable medium as recited in claim 21 wherein the network comprises a subnet.

24. The computer-readable medium as recited in claim 17 wherein the element of the computer network comprises a computing device.

25. A method for distributed computing propagation, comprising:

(a) determining a sequential first set of network addresses;

(b) mapping the range of addresses to a second set of addresses wherein the second set of addresses is a one to one mapping of the address from the first set and wherein the addresses in the second set are not in increasing address order;

(c) traversing the second set of addresses to at least two other elements of the network;

(d) transferring a set of computer readable instructions to the another element of the network to carry out a distributed computing function; and

(e) transferring an indication of at least a portion of the addresses remaining in the second set along with a set of computer-readable instructions for carrying out acts (a) through (d).

26. The method as recited in claim 25 wherein the mapping is a function based on a primitive element.

27. The method as recited in claim 25 wherein the indication of the at least a portion of the addresses remaining comprises a function used to perform that mapping.

28. The method as recited in claim 1 wherein the network comprises Internet Protocol addresses.

29. The method as recited in claim 26 wherein the network is coupled to the Internet.

30. The method as recited in claim 26 wherein the network comprises a subnet.

31. The method as recited in claim 25 wherein the element of the computer network comprises a computing device.